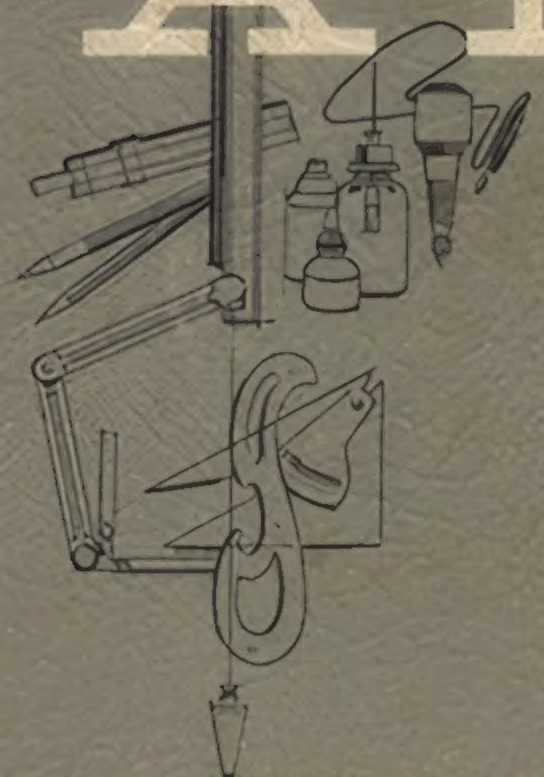
BRUNING

GENERAL CATALOG



CHARLES BRUNING COMPANY · INC

SINCE *1897*

BRUNING®

GENERAL CATALOG

16th EDITION

Copyflex® Diazotype Reproduction Machines and Sensitized Materials

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Vacuum Printing Frames ~ Verifax Copiers

Tracing and Drawing Papers, Cloths, and Films

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Drafting Room Furniture ~ Slide Rules

Optical Tooling Instruments

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CHARLES BRUNING COMPANY • INC

MOUNT PROSPECT, ILL.

Branches and Distributors in Principal Cities in the United States and Canada

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Drawing Pencils and Leads

Pencil and Lead Selection Chart

This chart shows some of the more popular applications of various grades of pencils and leads. It is included here as a guide rather than a series of recommendations, since individual tastes and drawing styles differ from draftsman to draftsman. Other factors affecting the choice of the proper pencil or lead are the surface of the paper or cloth used, and the weight of line required for good reproduction results.

LEAD DEGREES	8B	7B	6B	5B	4B	3B	2B	B	HB	F	H	2H	3H	4H	5H	6H	7H	8H	9H	10H
Industrial and Construction																				
Sketching							2B	B	HB	F	H	2H	3H							
Drafting						3B	2B	B	HB	F	H	2H	3H	4H	5H	6H	7H	8H	9H	
Constructing								B	HB	F	H	2H	3H	4H						
Architects, Builders																				
Sketching				5B	4B	3B	2B	B	HB	F	H	2H	3H							
Constructing							2B	B	HB	F	H	2H	3H	4H						
Surveyors, Engineers																				
Plans									HB	F	H	2H	3H	4H	5H					
Land Registering Plan										F	H	2H	3H	4H	5H	6H	7H	8H		

■ = Most popular ▒ = Second Most popular ▢ = Third Most popular

Wood Cased Drawing Pencils

No. 3567 A. W. Faber Castell. Green finish, gold stamped. In 20 degrees, 8B through 10H.

No. 3568 Koh-I-Noor. Yellow finish, gold stamped. In 17 degrees, 6B through 9H.

No. 3569 Mars Lumograph. Blue finish, black tip, gold stamped. In 19 degrees, EXEXB, EXB, 6B through 9H.

No. 3570 Eberhard Faber Microtomic. Dusk-gray finish, gold stamped. In 18 degrees, 7B through 9H.

No. 3573 Eagle Turquoise. Blue finish, gold stamped. In 17 degrees, 6B through 9H.

No. 3574 Venus. Green crackle finish, gold stamped. In 17 degrees, 6B through 9H, and four tracing pencil grades, t1, t2, t3, and t4.

Refillable Drawing Pencils

With Push-Button or Twist-Grip Lead Control

Bruning Refillable Pencil

No. 3581 Bruning Refillable Pencil. Pressure on push-button tip releases lead for desired length adjustment. Black plastic barrel with removable pocket clip. Holds standard diameter leads. No lead degree identification on barrel. A good quality refillable drawing pencil at a low price. With small lead pointer.

No. 3581

No. 3582

No. 3585

No. 3585P

No. 3588

Eagle Refillable Pencils

No. 3582 Eagle Turquoise Prestomatic Refillable Pencil. Pressure on cap releases lead. Blue plastic barrel. Extra light weight. Holds standard diameter leads. No lead degree identification on barrel.

No. 3585 Eagle Turquoise Refillable Pencil. A twist of the grip releases lead. Color-tipped cap and adjustable indicator for showing degree of lead being used, 4B through 9H. Blue barrel. Holds standard diameter leads.

No. 3585P Eagle Turquoise Prestomatic Refillable Pencil. Pressure on color-tipped cap releases lead. Adjustable indicator for showing degree of lead being used, 4B through 9H. Polished aluminum barrel and cap. Holds standard diameter leads.

Mars Lumograph Refillable Pencil

No. 3588 Mars Lumograph Refillable Pencil. Push-button lead release. Removable cap has built-in lead pointer. Blue barrel. Holds standard diameter leads. Special clutch prevents Mars brass-tipped leads from completely dropping out when push-button is depressed. Holds leads 3B through 9H only.

Other refillable pencils described on next page.

See pages 210-211 for pencil pointers.

Castell Refillable Pencils

No. 3592 Castell "Tel-A-Grade" Locktite Refillable Pencil. Push-button lead release. Adjustable cap for showing degree of lead being used, 8B through 10H. Dark green barrel. Holds standard diameter leads.

No. 3593 Castell Locktite Refillable Pencil with Pocket Clip. Length 4¾". Push-button lead release. Dark green barrel, strong steel clip. Holds standard diameter leads. No lead degree identification on barrel.

No. 3594 Castell Color-Tipped Locktite Refillable Pencil. Push-button lead release. Dark green barrel. Choose from 20 different degree markings, 8B through 10H. For standard diameter leads. Push-buttons are color-coded as follows: 2B—Maroon. B—White. HB—Silver. F—Pink. H—Black. 2H—Green. 3H—Red. 4H—Yellow. 5H—Blue. 6H—Orange. Others have brass-colored release buttons. Specify degree when ordering.

No. 3594B-Y Castell Colored Locktite Refillable Pencils. Same as No. 3594 above, but with choice of 5 solid color barrels instead of dark green barrel. Brass-colored release button. No lead degree stamping on barrel. Colors of barrels are as follows:

No. 3594B—Blue
No. 3594Y—Yellow
No. 3594W—White
No. 3594R—Red
No. 3594G—L. Green

Koh-I-Noor Refillable Pencils

No. 3596 Koh-I-Noor Refillable Pencil. A twist of the grip releases lead. Yellow barrel is stamped with lead degree marking. For leads B through 9H. Specify degree marking desired. (Also available with lead markings 6B through 2B on special order only.)

No. 3597 Koh-I-Noor Double-Pointed Refillable Pencil. Holds two leads independently. A twist of the grip releases lead. Yellow barrel is stamped HB on one end, 6H on the other.

No. 3600 Koh-I-Noor Refillable Pencil. Push-button lead release. Yellow barrel with long knurled brass grip. Chuck has extra firm grip and will hold all diameter leads. No lead degree markings on barrel.

No. 3601 Koh-I-Noor Refillable Pencil. Same as No. 3600 above, but with adjustable indicator on cap to show degree of lead being used.

Other refillable pencils described on preceding page.

See pages 210-211 for pencil pointers.

Leads for Refillable Pencils

Regular Round Type

	Catalog No.	Diameter	Degrees (Specify when Ordering)	No. of Leads
Eagle Turquoise	3586	Standard	4B through 9H	6 in box
Mars Lumograph*	3590	Standard	HB through 6H	12 in box
			3B through B, 7H through 9H	6 in box
A. W. Faber Castell	3595	Standard	8B through 5B	6 in tube
			4B through 10H	12 in tube
Koh-I-Noor (Domestic)	3598	Large	6B through 2B	6 in box
		Standard	B through 9H	
Koh-I-Noor† (Imported)	3599	Large	6B through 4B	12 in plastic dispenser box†
		Standard	3B through 9H	

*—*Each Mars Lumograph lead has a brass cap which prevents lead from entirely dropping out through chuck when push-button is depressed on Mars refillable pencils.*

†—Koh-I-Noor "Ejectomatic" transparent plastic dispenser box ejects leads automatically into refillable pencil, keeps hands and drawings clean. With imported leads No. 3599 only.

No. 3599

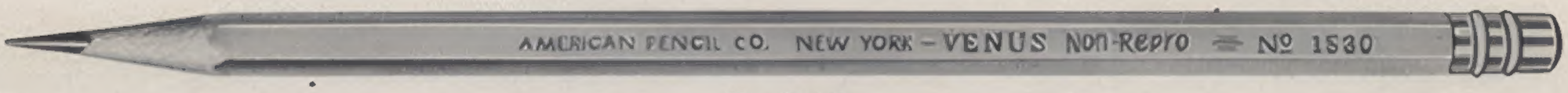
Compass Leads

No. 3658 Compass Leads. Standard diameter. Length 1¼". In five degrees—HB, H, 2H, 3H, and 4H. Packed 12 leads in a tube. Specify degree when ordering.

Writing Pencils

No. 3575

No. 3578



No. 3669

No. 3575 Copyflex Reproduction Pencils. Specially formulated leads produce an exceptionally black, opaque line that's highly reproducible. Recommended for use on originals which are to be copied in a Copyflex machine. Eraser-tipped. Brown finish. In two grades—Medium Soft and Soft. Specify when ordering.

No. 3578 Eagle Mirado Pencils. Smooth-writing, strong, long-wearing leads. Eraser-tipped. Yellow finish. In six grades—1; 1½, 2, 2½, 3, and 4. Specify when ordering.

No. 3669 Venus Non-Repro Pencil. For marking translucent originals when marks are *not* to appear on contact reproductions. The lead makes a purple image which will not reproduce on whiteprints, blueprints, or other types of prints where opacity of image is a requisite to reproduction. Color will not smear or fade.

Venus Blueprint Pencils

Especially designed for producing outstanding, brilliant, opaque markings on blueprint papers and other prints. Markings will not be destroyed by sunlight, grease, oil, or excessive wetting. Colors: white, black, yellow, red, green, light blue, vermilion, and dark (blueprint) blue.

No. 3668 Individual Venus Blueprint Pencils. Specify color or colors desired.

No. 3668-8 Set of Venus Blueprint Pencils. Contains all 8 colors listed above.

Also see No. 3664-6 Colorbrite Print-Marking Pencil Assortment on Page 207.

Pencil Lengtheners • Crayons • Stomps

No. 3697 Pencil Lengthener. Fits practically all popular makes of wooden pencils. Wooden barrel, with threaded metal ferrule.

No. 3698 Double-End Pencil Lengthener. Made of aluminum. Holds two pencils in threaded ferrules.

Lumber Crayons

No. 3710—Black
No. 3712—Red
No. 3713—Blue
No. 3714—Yellow

No. 3717 Lumber Crayon Holder. Hardwood, with duraluminum twist clamp and removable plastic cap. Thong is attachable inside cap.

No. 4039

No. 4039 French Gray Paper Stomps. For charcoal or crayon shading. In sizes 1, 2, 3, 4, 5, 6, 7, and 8.

No. 4040 Tortillion Stomps. Gray, thin paper. Length 3″. Dozen.

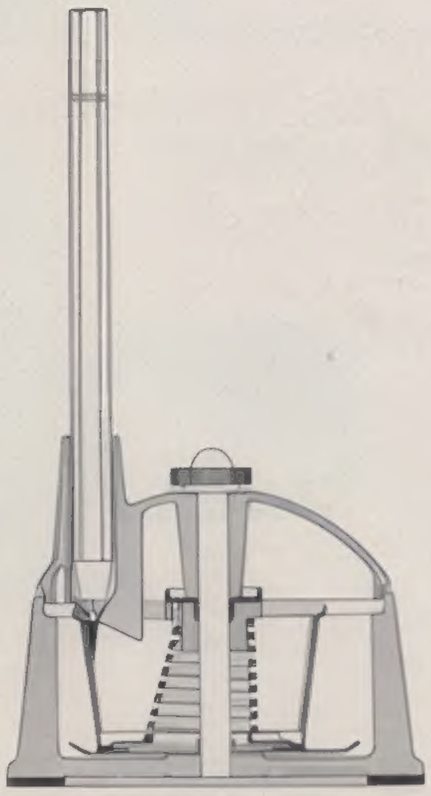
No. 4040

No. 3746 Tru-Point Standard Model

TRU-POINT LEAD POINTERS

- **Compact, Portable, Solidly Built**
- **Only One Hand Needed for Operation**
- **Two Models—Standard, or Adjustable Point Taper Model**

Tru-Point desktop lead pointers provide a pleasant, fast, convenient means of putting a clean, ideal draftsman's point on refillable pencils and on the exposed leads of wood-cased pencils. To point a lead, simply slip your pencil into the Tru-Point receptacle and move your arm in a circular motion—rotating the Tru-Point top and pencil around the heavy stationary base. This causes all sides of the lead to glide against a beveled abrasive liner in the base, making a sharp, conical point. Only one hand is needed for operation. Tru-Point holds the pencil in an almost perfectly vertical position—hand movement is smooth, easy, and wobble-free, and lead breakage is reduced to a minimum. Tru-Point pointers are solidly built of all metal to survive years of usage. Compact and portable, they take little room on a draftsman's desk. Tru-Point is clean, too—graphite dust is trapped inside, leaving no mess on the outside. The pointer is emptied and the long-wearing abrasive liners are replaced easily and quickly by unscrewing the cap on the center post and lifting off the top. Available in two models: the Standard Model, a favorite of draftsmen for many years, and the Adjustable Taper Model, which gives you a choice of long, short, or in-between points. Both models are approximately 2¾″ high and 3¼″ in diameter. Durable black crackle finish. Large circular rubber foot prevents slippage on tilted boards.



Cross-section view of Tru-Point pointer, showing sturdy all-metal construction. Replaceable, long-wearing abrasive liners fit inside wide beveled metal ring.

No. 3747 Adjustable Taper Tru-Point Pointer. Merely turn metal guide on receptacle to get any point taper ranging from long to short.

Point with Short Taper

Point with Long Taper

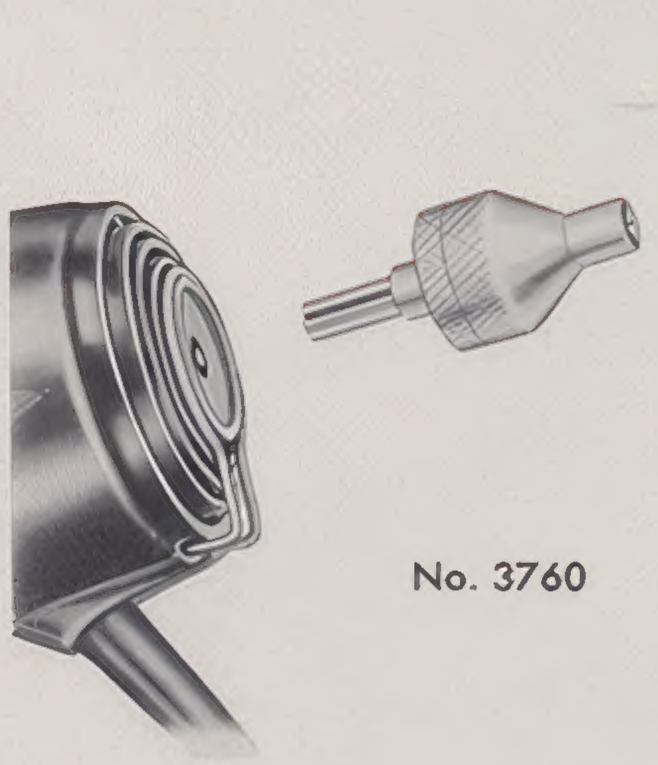
No. 3746 Standard Tru-Point Lead Pointer. Produces a sharp point with an average, medium taper.

No. 3747 Adjustable Taper Tru-Point Lead Pointer. Equipped with an adjustable receptacle guide which provides an immediate choice of point tapers, ranging from long to short. Simply turn guide to select desired taper.

No. 3746R Tru-Point Abrasive Liners. Refills for Nos. 3746 and 3747 lead pointers. Package of 3.

PENCIL POINTERS

No. 3760 Pencil Pointer Attachment for Bruning Electric Eraser. Makes a clean, sharp point on refillable pencils in a second. Drive stem of pointer slides into end of shaft of any Bruning hollow shaft erasing machine (see page 213). Four precision ground, four-edged blades instantly produce a uniform, conical point when pencil is inserted in guide with erasing machine running. Graphite dust is trapped harmlessly inside. Cap unscrews for emptying dust and for changing or rotating edges of long-lasting blades. For blade replacements, use No. 3745B below.



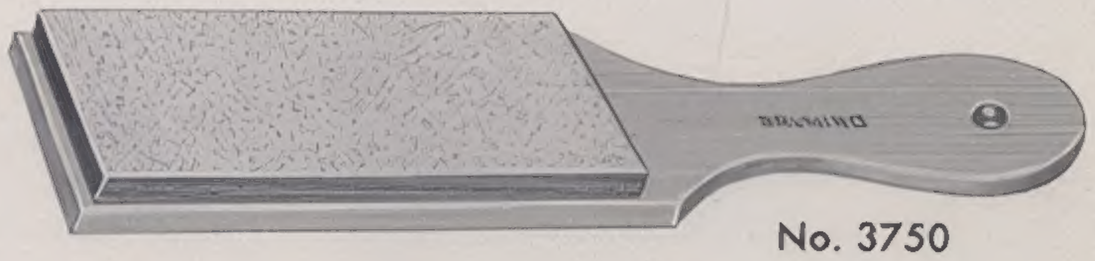
No. 3760

No. 3745 Emca Pencil Pointer. Puts a uniform, conical point on leads of refillable pencil when pencil is rotated in shaft. Graphite dust collects in removable, transparent cap. Contains four precision ground, replaceable four-edged blades. Durable plastic construction. Length: 4¾". For blade replacements, use No. 3745B below.

No. 3745

No. 3745B Replacement Blades. For No. 3760 Electric Eraser Pencil Pointer Attachment and No. 3745 Emca Pencil Pointer. Set of 4.

No. 3750 Sandpaper Pencil Pointer. Consists of 12 sheets of flint paper mounted on 1" x 4" wooden handle.



No. 3750

No. 3753 Sandpaper Pencil Pointer. Holds ¾" x 4" renewable abrasive strip with felt wiper pad. Supplied with one strip mounted and one extra refill.

No. 3753

No. 3754 Pencil Pointer Refills. For No. 3753. Package of 10. Felt wiper pad included on each strip.

No. 3757 Metal Pencil File and Tack Lifter. Filing surface on both sides. Wooden handle.

No. 3757

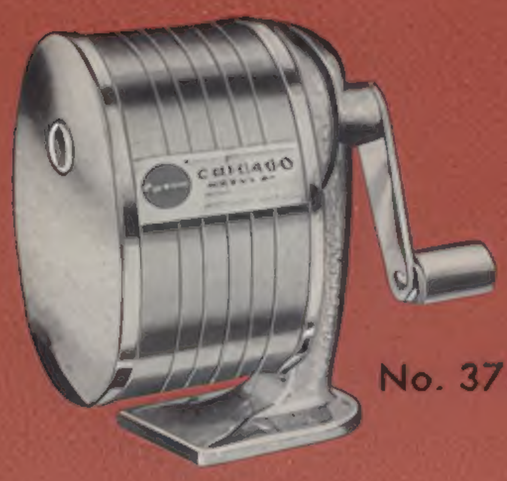
No. 3758 Pencil File and Magnetic Tack Lifter. All steel, 7" long. Tacks cling to magnetized point when removed.

No. 3758

No. 3822 Arkansas Sharpening Stone. Wedge shape. For sharpening ruling pens, divider and compass points, eraser knives, and other instruments. Size 2½" x ¾".

No. 3822

See next page for pencil sharpeners



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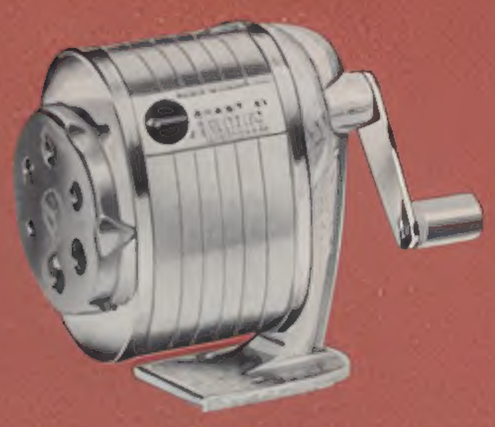

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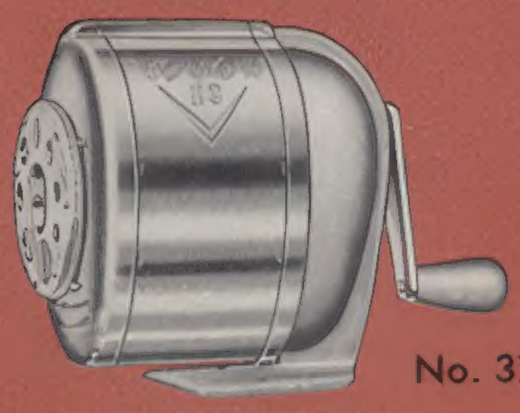


No. 3732B

No. 3737

No. 3737B

Apsco Cutter Assembly

PENCIL SHARPENERS

Standard and Draftsman's Models

No. 3730 Apsco "Chicago" Pencil Sharpener. Makes standard point on standard diameter pencils. Heavy-duty alloy base. All steel shaving receptacle, durable gray finish.

***No 3731CA Replacement Cutters.** For No. 3730.

No 3732 Apsco "Giant DeLuxe" Pencil Sharpener. Makes standard point. Similar to No. 3730 above, but with revolving centering disc that will take 6 different pencil diameters.

***No 3733CA Replacement Cutters.** For No. 3732.

No. 3734 Apsco "Draftsman Special" Pencil Sharpener. Exposes long section of lead which can be hand-shaped as desired. Otherwise like No. 3732 above.

***No. 3735CA Replacement Cutters.** For No. 3734.

No. 3732B Boston KS Standard Pencil Sharpener. Makes standard point. Accommodates 8 diameters of pencils. Nickel-plated receptacle. Gray metal stand.

No. 3733B Replacement Cutters. For No. 3732B. Pair.

No. 3734B Boston KS Draftsman's Pencil Sharpener. Exposes long portion of lead so draftsman can shape point by filing or sanding. Otherwise like No. 3732B above.

No. 3735B Replacement Cutters. For No. 3734B. Pair.

No. 3737 Apsco "Dexter" Standard Pencil Sharpener. Makes standard point. Sharpens all sizes of wood-cased pencils. Cutter head equipped with pencil-saving, adjustable steel point stop. All steel frame.

***No. 3740CA Replacement Cutters.** For No. 3737.

No. 3738 Apsco "Dexter Draftsman" Pencil Sharpener. A sturdy, heavy-duty model. Removes only wood from pencil, exposing 5/8" lead suitable for shaping. Takes 6 diameters of wood-cased pencils.

***No. 3741CA Replacement Cutters.** For No. 3738.

No. 3737B Boston "Ranger" Standard Pencil Sharpener. Adjustable lever on handle for making three styles of writing points: fine, standard, and semi-blunt. Accommodates 6 diameters of pencils. Automatic point stopper. Can be mounted on level surface or on wall. Two-tone hammertone finish.

No. 3740B Replacement Cutters. For No. 3737B. Pair.

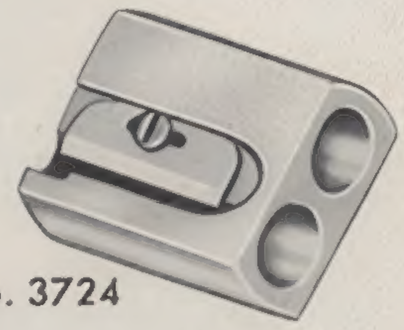
No. 3738B Boston "Draftsman Ranger" Pencil Sharpener. Cuts away wood, leaving long section of lead which draftsman can shape as desired. Similar in design to No. 3737B above.

No. 3741B Replacement Cutters. For No. 3738B. Pair.

**—Replacement cutters Nos. 3731CA, 3733CA, 3735CA, 3740CA, and 3741CA are already mounted on new cutter frames, thus permitting fast, easy, clean installation.*

No. 3724 Tutior Juwel Pocket Pencil Sharpener. Brass, with adjustable, renewable blades. One blade trims wood only, the other points the lead. In leatherette pouch.

No. 3725 Set of Replacement Blades. For No. 3724.



No. 3724

DRAFTING ROOM SUNDRIES

Tacks and Tapes . . . Drawing Pencils . . . Colored Pencils . . . Pencil Pointers and Sharpeners . . . Erasing Machines and Erasers . . . Pens . . . Drawing Ink and Accessories . . . Protective Sprays . . . Brushes . . . Adhesives . . . Fasteners . . . Magnifiers . . . Stop Watches